

LISTA DE LUCRĂRI

A. Lucrări relevante

1. C. Pirghie, **A.C. Pirghie**, S. Eder, F. Franek, PFPE-Z lubricant thin films in molecular dynamics simulations – shear thinning and friction law, *Optoelectronics and Advanced Materials – Rapid Communications*, Vol. 7, No. 5-6, May - June 2013, 434-438, ISSN: 1842-6573
2. C. Pirghie, **A.C. Pirghie**, S. Eder, F. Franek, Effect of steady shear and loading pressure on thin PFPE-Z lubricant films in molecular dynamics simulations, *Journal of the Balkan Tribological Association*, Vol. 20, No 2, 291-299, 2014, ISSN: 1310-4772
3. C. Pîrghie, **A.C. Pîrghie**, Molecular dynamics simulations of viscosity in confined lubricant film, *Journal of the Balkan Tribological Association*, Vol. 22, No 2A-II, 2008-2020, 2016, ISSN: 1310-4772
4. Cristian Pirghie, **Ana-Camelia Pîrghie**, Ilie Musca, On the nanolubrication as a function of load and speed wall, *PROCEEDINGS of The 16th International Conference Modern Technologies, Quality and Innovation, Volume II, ModTech 2012 New Face of T.M.C.R, Sinaia, Romania, 753-756*
5. Cristian Pirghie, **Ana-Camelia Pîrghie**, Ilie Musca, The lubricant behavior in nanotribological systems, *PROCEEDINGS of The 16th International Conference Modern Technologies, Quality and Innovation, Volume II, ModTech 2012 New Face of T.M.C.R, Sinaia, Romania, 757-760*
6. Cristian Pirghie, **Ana-Camelia Pirghie**, Some aspects of the nanotribological film in nanotribological applications, *TEHNOMUS - New Technologies and Products in Machine Manufacturing Technologies (ISSN-1224-029X)*, No. 21, Issue 1, 122-125, 2014
7. Cristian Pirghie, **Ana-Camelia Pirghie**, Characterizing the behavior of the lubricant films using molecular dynamics simulations, *Fiability & Durability (ISSN 1844-640X)*, Issue 1/2014, 49-56
8. **Ana-Camelia Pirghie**, Molecular dynamics simulation of friction force versus load, *TEHNOMUS - New Technologies and Products in Machine Manufacturing Tehnologies (ISSN-1224-029X)*, No. 23, 84-88, 2016
9. **Ana-Camelia Pirghie**, On the walls-lubricant fim interface, *TEHNOMUS - New Technologies and Products in Machine Manufacturing Tehnologies (ISSN-1224-029X)*, No. 23, 93-97, 2016
10. Cristian Pîrghie, **Ana-Camelia Pîrghie**, Investigations of nanotribological systems using molecular dynamics simulations, *VAREHD 16 International Conference on EHD Lubrication and Traction, Conference Proceedings, 25-27 octombrie 2012, Universitatea „Ștefan cel Mare” Suceava, 53-60*

B. Teza de doctorat

Geometrodinamica deformărilor spațio-temporale cu aplicații în astrofizică și cosmologie, OMECI nr. 4542 din 28.07.2010, conducător de doctorat prof. univ. dr. Ciprian DARIESCU, Universitatea „Al. I. Cuza” din Iași, Facultatea de Fizică

D. Cărți

Ana-Camelia Pîrghie, Geometrodinamica deformărilor spațio-temporale cu aplicații în astrofizică și cosmologie - 167 pagini, Editura Matrix Rom, 2016, ISBN: 978-606-25-0275-1

E. Articole/studii în extenso, publicate în reviste din fluxul științific internațional principal

1. C. Pirghie, **A.C. Pirghie**, S. Eder, F. Franek, PFPE-Z lubricant thin films in molecular dynamics simulations – shear thinning and friction law, Optoelectronics and Advanced Materials – Rapid Communications, Vol. 7, No. 5-6, May - June 2013, 434-438, ISSN: 1842-6573
2. C. Pirghie, **A.C. Pirghie**, S. Eder, F. Franek, Effect of steady shear and loading pressure on thin PFPE-Z lubricant films in molecular dynamics simulations, Journal of the Balkan Tribological Association, Vol. 20, No 2, 291-299, 2014, ISSN: 1310-4772
3. C. Pîrghie, **A.C. Pîrghie**, Molecular dynamics simulations of viscosity in confined lubricant film, Journal of the Balkan Tribological Association, Vol. 22, No 2A-II, 2008-2020, 2016, ISSN: 1310-4772

F. Publicații in extenso, apărute în lucrări ale principalelor conferințe internaționale de specialitate

1. Cristian Pirghie, **Ana-Camelia Pîrghie**, Ilie Musca, On the nanolubrication as a function of load and speed wall, PROCEEDINGS of The 16th International Conference Modern Technologies, Quality and Innovation, Volume II, ModTech 2012 New Face of T.M.C.R, Sinaia, Romania, 753-756
2. Cristian Pirghie, **Ana-Camelia Pîrghie**, Ilie Musca, The lubricant behavior in nanotribological systems, PROCEEDINGS of The 16th International Conference Modern Technologies, Quality and Innovation, Volume II, ModTech 2012 New Face of T.M.C.R, Sinaia, Romania, 757-760

G. Alte lucrări și contribuții științifice

1. Cristian Pirghie, **Ana-Camelia Pirghie**, Some aspects of the nanotribological film in nanotribological applications, TEHNOMUS - New Technologies and Products in Machine Manufacturing Technologies (ISSN-1224-029X), No. 21, Issue 1, 122-125, 2014
2. Cristian Pirghie, **Ana-Camelia Pirghie**, Characterizing the behavior of the lubricant films using molecular dynamics simulations, Fiability & Durability (ISSN 1844-640X), Issue 1/2014, 49-56
3. **Ana-Camelia Pirghie**, Molecular dynamics simulation of friction force versus load, TEHNOMUS - New Technologies and Products in Machine Manufacturing Tehnologies (ISSN-1224-029X), No. 23, 84-88, 2016
4. **Ana-Camelia Pirghie**, On the walls-lubricant fim interface, TEHNOMUS - New Technologies and Products in Machine Manufacturing Tehnologies (ISSN-1224-029X), No. 23, 93-97, 2016
5. Cristian Pirghie, **Ana-Camelia Pîrghie**, Investigations of nanotribological systems using molecular dynamics simulations, VAREHD 16 International Conference on EHD Lubrication and Traction, Conference Proceedings, 25-27 octombrie 2012, Universitatea „Ștefan cel Mare” Suceava, 53-60

Data,

Semnătura,

6 iunie 2017